

TECHNICAL MEMORANDUM

Utah Coal Regulatory Program

January 20, 2004

TO: Internal File

THRU: James Smith, Team Lead

FROM: Wayne H. Western, Environmental Scientist III, Engineering

RE: Update Appendix XIV, Energy West Mining Company, Des-Bee-Dove Mine, C/015/0017, Task ID # 1786

SUMMARY:

On December 18, 2003, the Division received a submittal from PacifiCorp to update Appendix XIV. The amendment deals with Phase I reclamation at the Des Bee Dove Mine.

Backfilling and grading at the Des Bee Dove Mine was completed in June 2003. The as-builts differed from the reclamation plan due to:

- Lack of substitute topsoil.
- Lack of riprap material.
- Equipment constraints.

One change to the reclamation plan was an increase in slope length, which requires a change in the RUSLE model used to predict soil lose. The main engineering concern is the maps associated with the as-built surface.

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TECHNICAL ANALYSIS:

RECLAMATION PLAN

**MAPS, PLANS, AND CROSS SECTIONS OF RECLAMATION
OPERATIONS**

Regulatory Reference: 30 CFR Sec. 784.23; R645-301-323, -301-512, -301-521, -301-542, -301-632, -301-731.

Analysis:

As part of an update to Appendix XIV, Phase 1 Reclamation Plan, the Permittee changed some of the slope length in at the Des Bee Dove mine. Those changes are shown on map CS1854D. A registered professional engineer certified the map and it appears to be correct.

Findings:

The information provided by the Permittee is adequate to meet the minimum regulatory requirements of this section of the regulations.

RECOMMENDATIONS:

The Division should approve the engineering requirements of the amendment.